SWP Weekly Water Quality Summary

November 22 to 30, 2010

Electrical Conductivity (EC): EC concentrations decreased at Harvey O. Banks Pumping Plant (HBP) and Vallecitos, but increased at Check 29, Check 41 and Barker Slough. All EC concentrations were below the Article 19 Monthly Average Objective of 733 µS/cm (440 mg/L). Concentrations ranged from 259 to 526 µS/cm (155 to 316 mg/L). At the end of the period, the lowest concentration of 259 µS/cm (155 mg/L) occurred at Barker Slough, and the highest concentration of 526 µS/cm (316 mg/L) occurred at Check 29. EC decreased at HBP from 491 µS/cm to 483 µS/cm (295 to 290 mg/L).

Bromide*: Concentrations exceeded the California Bay-Delta Authority Objective of 0.05 mg/L at all the stations. Barker Slough had the lowest concentration of 0.08 mg/L, while the highest concentration of 0.26 mg/L occurred at Check 29.

* Bromide concentrations are calculated values using linear regression equations using EC concentrations and are not as accurate as bromide concentrations from laboratory analysis.

Turbidity: Turbidity levels decreased at all locations, except at HBP. Turbidity ranged from 2.0 NTU to 33.5 NTU. At the end of this period, the lowest level of 2.0 NTU occurred at Check 41, followed by Vallecitos with 3.0 NTU, while the highest level of 20.4 NTU occurred at Barker Slough. Turbidity levels at HBP increased from 10.7 NTU to 14.1 NTU.

Dissolved Organic Carbon (DOC): Concentrations increased at all locations this period. DOC ranged from 2.2 to 2.4 mg/L at HBP, from 2.0 to 2.4 mg/L at Check 13 and from 3.2 to 3.4 mg/L at Edmonston Pumping Plant.

Taste and Odor Compounds: MIB and geosmin concentrations in the SWP ranged from non-detect to 5 ng/L at Clifton Court Inlet and Outlet, HBP, Check 41 and Check 66.

Groundwater pump-ins to the California Aqueduct totaled 1,863 AF. The breakdown of the total volume was:

- Kern Water Bank Authority (who operate the Kern Water Bank Canal) = 63 AF
- Arvin-Edison = 1 AF
- Semitropic (2&3) Water Storage District = 1799 AF

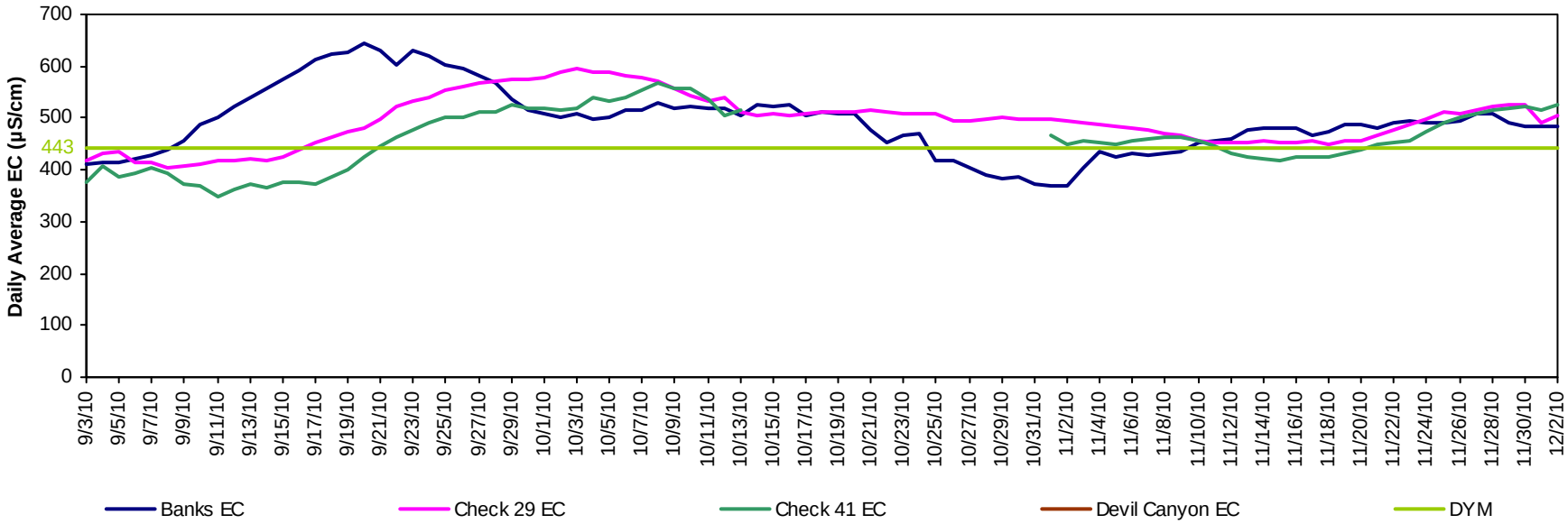
No data were available for Devil Canyon this week due to malfunctioning instruments.

The intent of the weekly water quality (WQ) summary is to acquaint contractors, scientists and interested parties with the status of water quality in the State Water Project (SWP). You can direct your comments, questions and suggestions to Cindy Garcia @ 916-653-7213 or Austine Eke @ 916-653-7227. To view WQ data from the automated stations along the SWP, visit:
http://www.water.ca.gov/swp/waterquality/AutostationData/Autostation_map.cfm, and

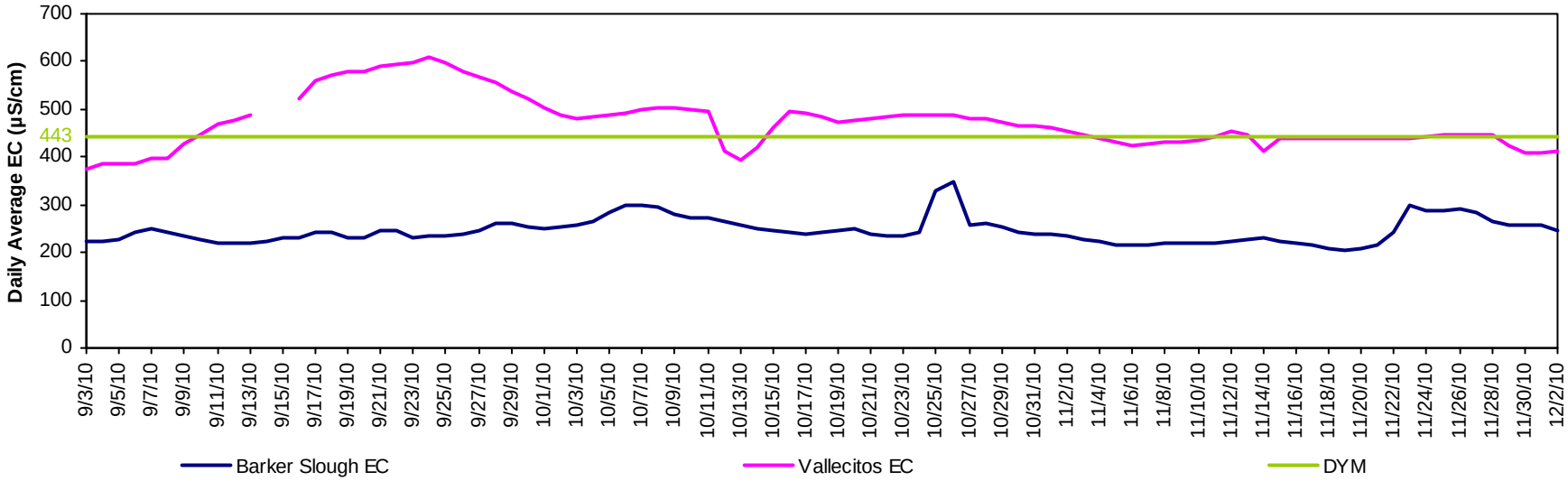
click on a station name on the map to link to the station's data on the California Data Exchange Center (CDEC) website.

To view the Edmonston's daily AF pumping data, visit www.water.ca.gov. Click on the "State Water Project" tab, and click on the "Operations Control" link. Look under the "Project-Wide Operations" header for the "Dispatcher's Daily Water Report."

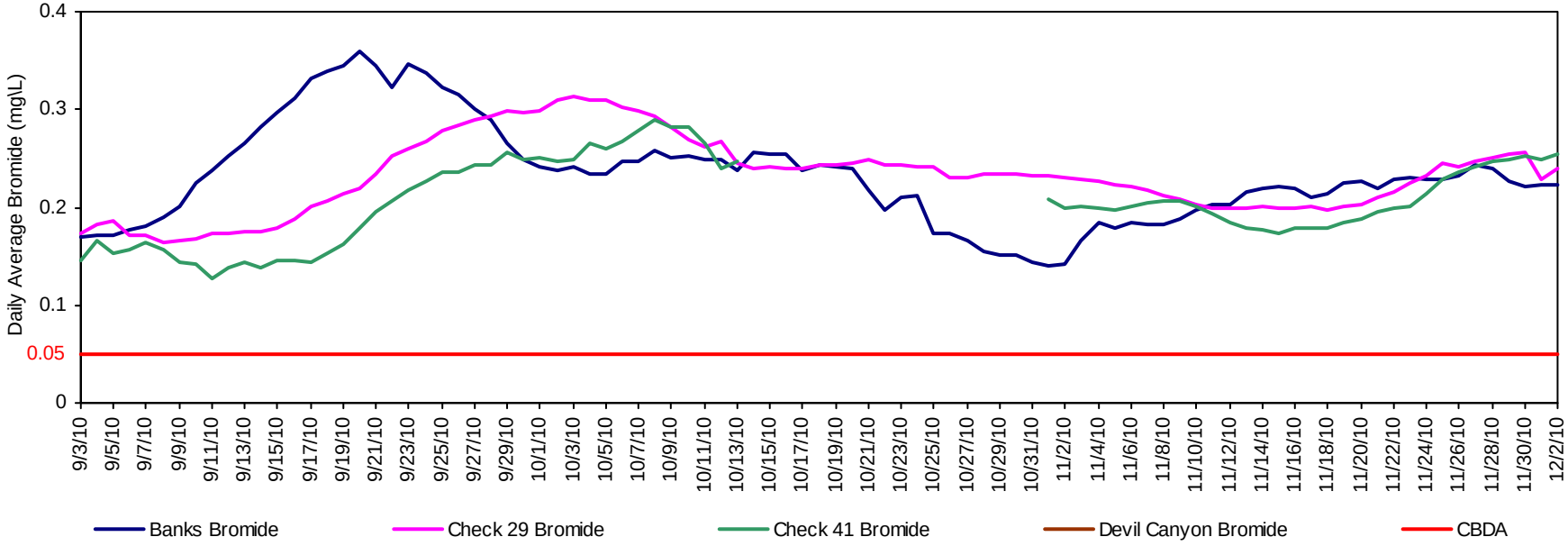
California Aqueduct - Electrical Conductivity



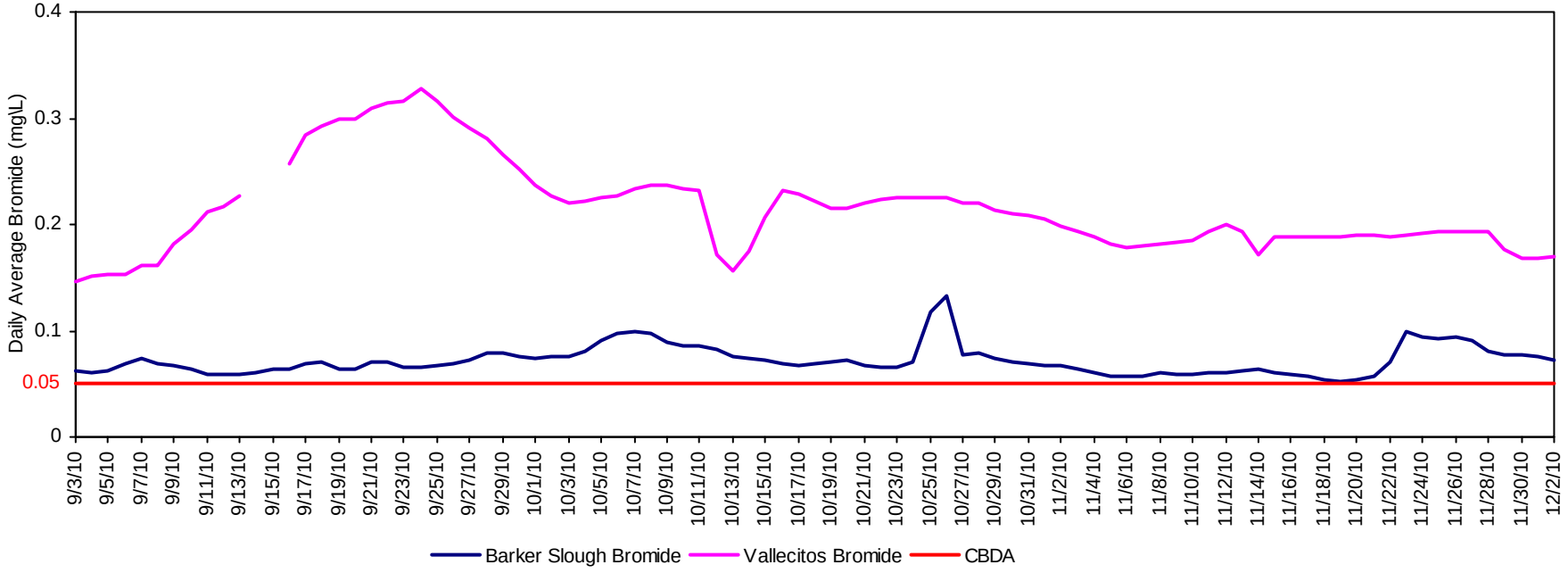
North and South Bay Aqueduct - Electrical Conductivity



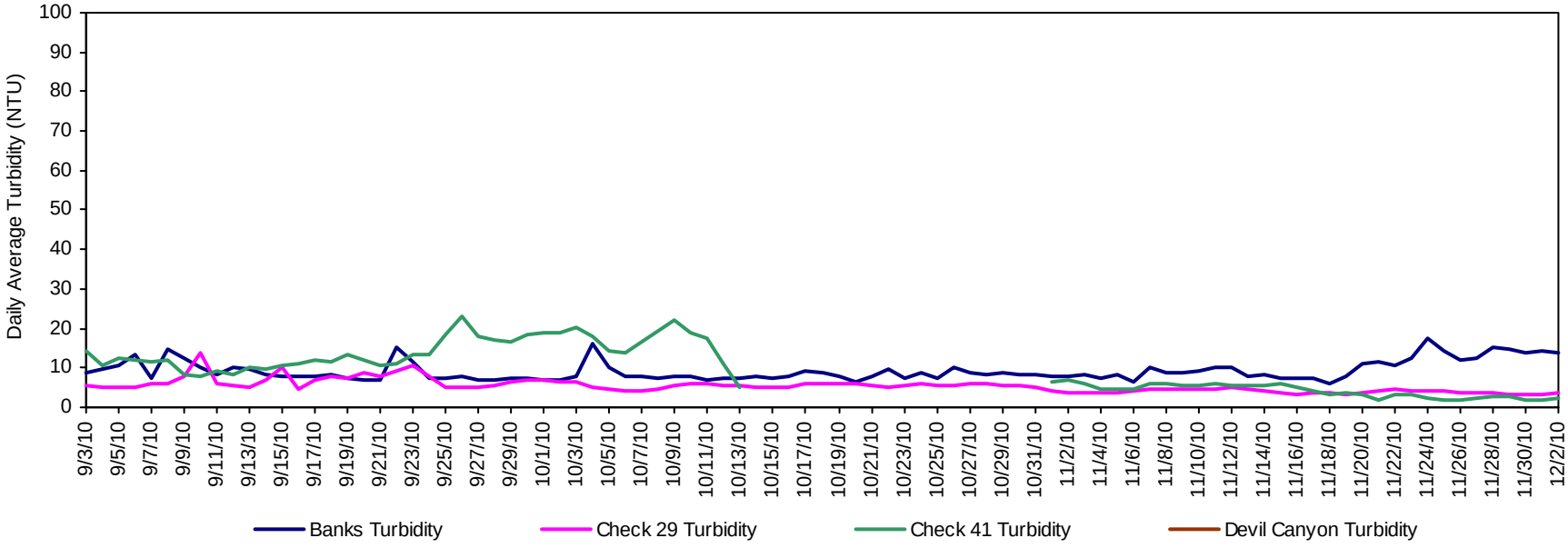
California Aqueduct - Calculated Bromide



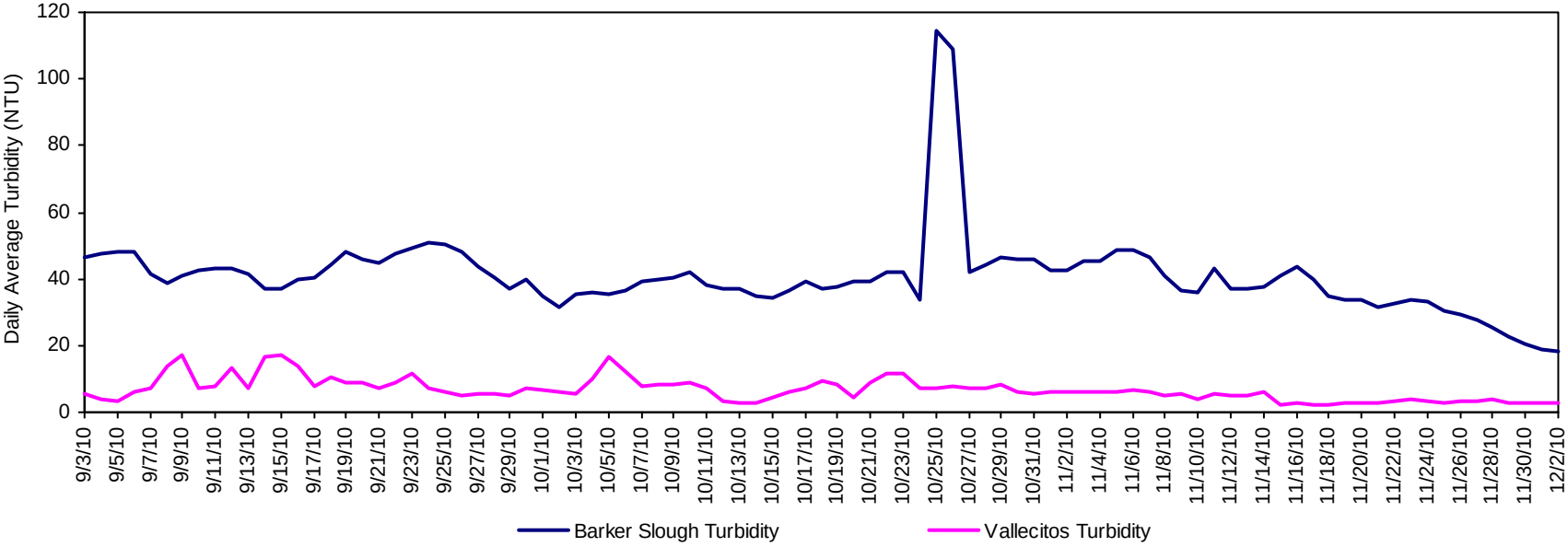
North and South Bay Aqueduct - Calculated Bromide



California Aqueduct - Turbidity



North and South Bay Aqueduct - Turbidity



California Aqueduct
Calculated Dissolved Organic Carbon